

## Tennessee Pollution Prevention Partnership Success Story



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## Film Core Recycling Reduces Solid Waste Disposal Expense

### The Member

Frito-Lay Fayetteville, a PepsiCo Company production facility is located in Lincoln County, Fayetteville, TN. This manufacturing facility has been in operation since 1997 producing potato and corn chip snacks. The Fayetteville facility is a local employer of choice and has 450 highly trained team members who work diligently everyday to deliver quality products to our discriminating customers. Additionally employee's skills are constantly being upgraded and all employees are encouraged to participate in making the company better and stronger. Frito-Lay is committed to conducting its business operations in a manner that is consistent with concern and respect for our fragile environment. Toward this end, operational decisions reflect our strong belief in sound environmental management and environmental conservation as we faithfully seek to comply with all federal, state, and local environmental laws, rules, and regulations.

### The Story

The Frito-Lay Corporation has an aggressive waste minimization culture, which includes a program that identifies and develops actions to reduce various wastes at all their production facilities. Semi-annually, the Frito-Lay Fayetteville facility sets goals, incorporates, and implements action plans to reduce waste at the facility. The plant has been successful in accomplishing these goals for every six-month time period since its 1997 start up under the Frito-Lay name. In continuously finding ways to reduce waste going to the landfill, and at the same time reducing cost, the facility has prospered and benefits greatly from its proactive environmental management system.

### Film Core Recycling

All Frito-Lay products are packaged per specification at the facility, and are boxed and

staged for shipment to the consumer. Film material, the primary item for product packaging, is received from the supplier on a cardboard core that serves as a carrier during manufacture and processing of the packaging but is not suitable for reuse in its original configuration. Initially discarded because the cores contain a high content of glue and the corrugated recycler chose not to accept the cores, the Fayetteville Facility had been land filling 80,000 pounds of these cores annually. After several trials and extensive negotiations with their recycler, the Frito-Lay Fayetteville plant now collects the cores in large boxes in the packaging area and includes them in their shipments to their cardboard recycler.

### The Success

This Frito-Lay site has reduced the amount of film cores going into the landfill by 132,460 pounds since initiating the film core recycling in December of 2003. Secondly, the plant has reduced its volume to the landfill by 1,700 cubic yards. The plant has realized a cost avoidance of \$8,000 and the waste hauler has avoided 85 trips in his truck by taking the film core material to the transfer station.

### The Pollution Prevented

This diversion of 132,000 pounds or 66 tons to the landfill to date is significant for our facility. Likewise the reduction of trips that the truck has to make to the landfill translates to a reduction in air emissions which aids our corporation in attaining its established green house gas reduction goal. This effort reduces 960 miles the truck has to travel, thus reducing the burning of approximately 100 gallons of diesel fuel.

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